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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	4	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	5	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	6	FEB 10	COMPENDEX reloaded and enhanced
NEWS	7	FEB 11	WTEXTILES reloaded and enhanced
NEWS	8	FEB 19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	9	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	10	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	11	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	12	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	13	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	14	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	15	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	16	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	17	MAR 11	ESBIOBASE reloaded and enhanced
NEWS	18	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS	19	MAR 23	CA/CAPLUS enhanced with more than 250,000 patent equivalents from China
NEWS	20	MAR 30	IMSPATENTS reloaded and enhanced
NEWS	21	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS	22	APR 07	STN is raising the limits on saved answers
NEWS	23	APR 24	CA/CAPLUS now has more comprehensive patent assignee information
NEWS	24	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS	25	APR 28	CAS patent authority coverage expanded
NEWS	26	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS	27	APR 28	Limits doubled for structure searching in CAS REGISTRY

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,

AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:38:11 ON 04 MAY 2009

=>

=> file cap

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'CAPLUS' ENTERED AT 07:38:21 ON 04 MAY 2009

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FILE COVERS 1907 - 4 May 2009 VOL 150 ISS 19

FILE LAST UPDATED: 3 May 2009 (20090503/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> e methoxy poly(ethylene oxide)40 undecyl methacrylate

E1	1	METHOXXYETHYL/BI
E2	156915	METHOXY/BI
E3	0 -->	METHOXY POLY(ETHYLENE OXIDE)40 UNDECYL METHACRYLATE/BI
E4	1	METHOXY0/BI
E5	1	METHOXY0TETRALIN/BI
E6	19	METHOXY1/BI
E7	1	METHOXY10/BI

E8 1 METHOXY11/BI
E9 1 METHOXY11B/BI
E10 1 METHOXY12A/BI
E11 1 METHOXY13/BI
E12 1 METHOXY14/BI

=> e methoxy poly(ethylene oxide)40 undecyl alpha-methacrylate

E13 1 METHOXXYETHYL/BI
E14 156915 METHOXY/BI
E15 0 --> METHOXY POLY(ETHYLENE OXIDE)40 UNDECYL ALPHA-METHACRYLATE/BI
E16 1 METHOXY0/BI
E17 1 METHOXY0TETRALIN/BI
E18 19 METHOXY1/BI
E19 1 METHOXY10/BI
E20 1 METHOXY11/BI
E21 1 METHOXY11B/BI
E22 1 METHOXY12A/BI
E23 1 METHOXY13/BI
E24 1 METHOXY14/BI

=> s methoxy poly(ethylene oxide)40 undecyl alpha-methacrylate

MISSING OPERATOR 'POLY(ETHYLENE'

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.50	1.72

FILE 'REGISTRY' ENTERED AT 07:40:12 ON 04 MAY 2009

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STRUCTURE FILE UPDATES: 3 MAY 2009 HIGHEST RN 1141929-94-3

DICTIONARY FILE UPDATES: 3 MAY 2009 HIGHEST RN 1141929-94-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> e methoxy poly(ethylene oxide)40 undecyl methacrylate/cn

E25 1 METHOXY PEG 4000/CN
E26 1 METHOXY POLY(ETHYLENE GLYCOL) 4-NITROPHENOL CARBONATE/CN
E27 0 --> METHOXY POLY(ETHYLENE OXIDE)40 UNDECYL METHACRYLATE/CN
E28 1 METHOXY POLYETHYLENE GLYCOL ACETALDEHYDE/CN
E29 1 METHOXY POLYETHYLENE GLYCOL ACRYLATE HOMOPOLYMER/CN
E30 1 METHOXY POLYETHYLENE GLYCOL METHACRYLATE/CN

E31	1	METHOXY POLYETHYLENE GLYCOL METHACRYLATE HOMOPOLYMER/CN
E32	1	METHOXY POLYETHYLENE GLYCOL METHACRYLATE-3-(METHACRYLOYLAMINO)PROPYL TRIMETHYLAMMONIUM CHLORIDE COPOLYMER/CN
E33	1	METHOXY POLYETHYLENE GLYCOL METHACRYLATE-METHACRYLOYLAMINOPROPYLTRIMETHYLAMMONIUM MONOMETHYL SULFATE GRAFT COPOLYMER/CN
E34	1	METHOXY POLYETHYLENE GLYCOL METHACRYLATE-METHYL ACRYLATE-SODIUM METHACRYLATE COPOLYMER/CN
E35	1	METHOXY POLYETHYLENE GLYCOL METHACRYLATE-METHYL ACRYLATE-SODIUM METHACRYLATE-SODIUM METHALLYLSULFONATE COPOLYMER/CN
E36	1	METHOXY POLYETHYLENE GLYCOL METHACRYLATE-METHYL METHACRYLATE-4-VINYLPYRIDINE COPOLYMER/CN

=> s e30

L1 1 "METHOXY POLYETHYLENE GLYCOL METHACRYLATE"/CN

=> s e30/cn

L2 1 "METHOXY POLYETHYLENE GLYCOL METHACRYLATE"/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN

RN 26915-72-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Poly(oxy-1,2-ethanediyl), α -(2-methyl-1-oxo-2-propen-1-yl)- ω -methoxy- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycols, polyethylene, monomethacrylate, methyl ether (8CI)

CN Methacrylic acid, ester with polyethylene glycol methyl ether (8CI)

OTHER NAMES:

CN Bisomer 350

CN Bisomer MPEG 1000MA

CN Bisomer MPEG 350MA

CN Bisomer MPEG 550MA

CN Bisomer S 10W

CN Bisomer S 20W

CN Bisomer S 7W

CN Blemmer PME 1000

CN Blemmer PME 150

CN Blemmer PME 200

CN Blemmer PME 400

CN Blemmer PME 4000

CN Blemmer PME 450

CN Blemmer PME 550

CN CD 522

CN CD 550

CN CD 552

CN FA 400M

CN Light Ester 041M

CN Light Ester 041MA

CN Light Ester 130MA

CN Light Ester M 230G

CN M 230G

CN M 40G

CN M 900G

CN M 90G

CN MAE 400

CN ME 100

CN ME 100 (polyoxyalkylene)

CN ME 20

CN ME 20 (polyoxyalkylene)

CN ME 200

CN ME 200 (polyoxyalkylene)

CN ME 40
 CN MEO 4
 CN Methoxy polyethylene glycol methacrylate
 CN Methoxypolyethylene glycol monomethacrylate
 CN MG 8
 CN MPEG 550 methacrylate
 CN MPEG 550MA
 CN MPG 130MA
 CN NF Bisomer S 20W
 CN NK Ester M 1000G
 CN NK Ester M 100G
 CN NK Ester M 130G
 CN NK Ester M 20
 CN NK Ester M 230
 CN NK Ester M 230G

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

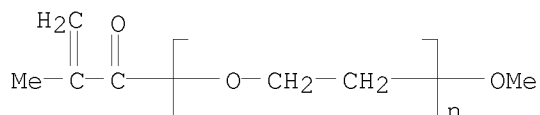
DR 862118-84-1, 876930-62-0, 1007311-66-1, 161161-97-3, 122093-20-3,
 133184-10-8, 96256-82-5, 104491-18-1, 106340-32-3, 115402-22-7,
 136036-18-5, 112352-67-7, 138981-97-2, 139091-15-9, 142233-43-0,
 78623-21-9, 152730-80-8, 110540-42-6, 156932-34-2, 161126-65-4,
 180028-35-7, 189638-26-4, 191940-85-9, 218956-80-0, 220654-94-4,
 256488-92-3, 292149-01-0

MF (C2 H4 O)n C5 H8 O2

CI PMS, COM

PCT Polyether

LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
 CSCHEM, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL, USPATOLD
 Other Sources: NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

806 REFERENCES IN FILE CA (1907 TO DATE)
 269 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 807 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file cap

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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FILE 'CAPLUS' ENTERED AT 07:42:32 ON 04 MAY 2009
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FILE COVERS 1907 - 4 May 2009 VOL 150 ISS 19
FILE LAST UPDATED: 3 May 2009 (20090503/ED)

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=> s l2

L3 807 L2

=> s L2RACT

L4 0 L2RACT

=> s L2/RACT

807 L2

3272257 RACT/RL

L5 210 L2/RACT

(L2 (L) RACT/RL)

=> s au=yang

NUMERIC VALUE NOT VALID 'YANG'

Numeric values may contain 1-8 significant figures. If range notation is used, both the beginning and the end of the range must be specified, e.g., '250-300/MW'. Expressions such as '250-/MW' are not allowed. To search for values above or below a given number, use the >, >=, <, or <= operators, e.g., 'MW >= 250'. Text terms cannot be used in numeric expressions. If you specify a unit, it must be dimensionally correct for that field code. To see the unit designations for field codes in the current file, enter "DISPLAY UNIT ALL" at an arrow prompt (=>).

=> e au=yang

E37	2	AU9S/BI
E38	1	AU9S2/BI
E39	0 -->	AU=YANG/BI
E40	350	AUA/BI
E41	1	AUA0/BI
E42	11	AUA1/BI
E43	5	AUA2/BI
E44	1	AUA2CL/BI
E45	4	AUA3/BI
E46	14	AUA4/BI
E47	1	AUA440/BI
E48	1	AUA6665/BI

=> e yang yi/au

E49	1	YANG YEZHONG/AU
E50	2	YANG YEZHOU/AU
E51	1355 -->	YANG YI/AU
E52	1	YANG YI BAO/AU
E53	2	YANG YI BIAO/AU

E54	7	YANG YI BIN/AU
E55	2	YANG YI BING/AU
E56	2	YANG YI BING OU/AU
E57	4	YANG YI BO/AU
E58	1	YANG YI CAN/AU
E59	14	YANG YI CHANG/AU
E60	4	YANG YI CHAO/AU

=> s e51

L6 1355 "YANG YI"/AU

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.22	26.61

FILE 'REGISTRY' ENTERED AT 07:46:40 ON 04 MAY 2009
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STRUCTURE FILE UPDATES: 3 MAY 2009 HIGHEST RN 1141929-94-3
 DICTIONARY FILE UPDATES: 3 MAY 2009 HIGHEST RN 1141929-94-3

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> e isopropylacrylamide/cn

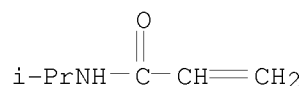
E61	1	ISOPROPYLACETYLACETONE/CN
E62	1	ISOPROPYLACETYLENE/CN
E63	1 -->	ISOPROPYLACRYLAMIDE/CN
E64	1	ISOPROPYLACRYLAMIDE-ACRYLIC ACID DIBLOCK COPOLYMER/CN
E65	1	ISOPROPYLACRYLAMIDE-L-LYSINE GRAFT COPOLYMER/CN
E66	1	ISOPROPYLACRYLAMIDE-LACTIDE DIBLOCK COPOLYMER/CN
E67	1	ISOPROPYLACRYLAMIDE-MALEIC ANHYDRIDE-POLYETHYLENE GLYCOL COPOLYMER/CN
E68	1	ISOPROPYLACRYLAMIDE-METHACRYLIC ACID COPOLYMER/CN
E69	1	ISOPROPYLACRYLAMIDE-METHACRYLIC ACID-METHYL METHACRYLATE COPOLYMER/CN
E70	1	ISOPROPYLACRYLAMIDE-METHACRYLIC ACID-METHYLENEBISACRYLAMIDE COPOLYMER/CN
E71	1	ISOPROPYLACRYLAMIDE-METHACRYLIC ACID-SODIUM 2-ACRYLAMIDO-2-METHYL-1-PROPANESULFONATE COPOLYMER/CN
E72	1	ISOPROPYLACRYLAMIDE-METHYL METHACRYLATE BLOCK COPOLYMER/CN

=> s e63

L7 1 ISOPROPYLACRYLAMIDE/CN

=> d 17

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 2210-25-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2-Propenamide, N-(1-methylethyl)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acrylamide, N-isopropyl- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 4,4-Dimethyl-2-vinyloxazol-5-one
CN Isopropylacrylamide
CN N-(1-Methylethyl)-2-propenamide
CN N-Isopropylacrylamide
CN N-Isopropylpropenamide
CN NIPAAm
CN NIPAM
CN NSC 11448
MF C6 H11 N O
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS,
CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, EMBASE, HSDB*, IFICDB,
IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, RTECS*, SPECINFO,
TOXCENTER, USPAT2, USPATFULL, USPATOLD
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1123 REFERENCES IN FILE CA (1907 TO DATE)
356 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1132 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE CAP

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.36	34.97

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 04 MAY 2009
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FILE COVERS 1907 - 4 May 2009 VOL 150 ISS 19
FILE LAST UPDATED: 3 May 2009 (20090503/ED)

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reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s L7

L8 1132 L7

=> s L3 AND L8

L9 11 L3 AND L8

=> d L9 1-11 ibib abs

L9 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2009:21819 CAPLUS

DOCUMENT NUMBER: 150:106149

TITLE: Polymers based on water-soluble monoolefinic monomers
comprising colloidal silica and their use as matrix
polymers for solid dosage forms

INVENTOR(S): Mertoglu, Murat; Kolter, Karl; Mathauer, Klemens;
Rossler, Gerhard

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: U.S. Pat. Appl. Publ., 5pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
US 20090011017	A1	20090108	US 2008-164246	20080630
PRIORITY APPLN. INFO.:			EP 2007-111849	A 20070705

AB The invention relates to novel polymers based on monoolefinic monomers and
colloidal silica, a process for manufacturing such polymers and their use as
matrix polymers in pharmaceutical or cosmetic prepns. Copolymers are
obtained by free-radical polymerization of a mixture of (a) 80 to 99% by

weight of a
monoolefinic monomer selected from the group consisting of acrylic
monomers, methacrylic monomers and N-vinyl lactam monomers (monomers a) and
(b) 1 to 20% by weight of a monoolefinic silane monomer (monomer b), in the
presence of colloidal amorphous silica, with the proviso that the total of
components (a) and (b) equals 100% by weight. Thus, a clear polymer gel was
prepared by polymerization at 80° of 87.5 g of N-vinylpyrrolidone, 12.5 g of
(3-methacryloyloxy)propyltrimethoxysilane, and 1.88 g of Levasil 200A in
500 g water, using 2 g of free-radical polymerization initiator
2,2'-azobis(2-amidinopropane) dihydrochloride (Wako V50) in 50 g water,
and dried at 50°. A mixture of propranolol HCl 160 mg, the copolymer
prepared 160 mg, highly disperse silica 3.4 mg, and magnesium stearate 1.6
mg was compressed into tablets having a strength at break and friability
of 68 N and <0.1%, resp.

L9 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:1155669 CAPLUS

DOCUMENT NUMBER: 149:408949
 TITLE: Cationic latex as a carrier for active ingredients and methods for making and using the same
 INVENTOR(S): Krishnan, Venkataram
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 36pp., Cont.-in-part of U.S. Ser. No. 895541.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080233062	A1	20080925	US 2008-116006	20080506
US 20080057049	A1	20080306	US 2007-895541	20070824
PRIORITY APPLN. INFO.:			US 2006-839973P	P 20060824
			US 2007-895541	A2 20070824

AB This invention relates to the field of polymeric materials that can be used in combination with a wide variety of substrates, such as textiles, metal, cellulosic materials, plastics, and the like, and to the field of active agents including, for example, antimicrobial, antibacterial, and antifungal materials. This invention further relates to latex polymer coatings that comprise at least one active component as well as methods for making and using such latex compns. Thus, deodorant composition was prepared comprising DC245 fluid 49.30%, Bentone gel VS-5/PC 13.50%, Puresyn 4 10.0%, Asensa CL 110 1.0%, Cabosil M5 0.2%, Reach AZP 908 SUF 24.0%, and dipropylene glycol 2.0%.

L9 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2008:1072943 CAPLUS
 DOCUMENT NUMBER: 149:333555
 TITLE: A high throughput screening method and apparatus to produce modified polymers particularly membranes
 INVENTOR(S): Belfort, Georges; Kilduff, James; Zhou, Mingyan; Anderson, Daniel; Langer, Robert
 PATENT ASSIGNEE(S): Rensselaer Polytechnic Institute, USA; Massachusetts Institute of Technology
 SOURCE: PCT Int. Appl., 47pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008106323	A2	20080904	WO 2008-US53866	20080213
WO 2008106323	A3	20081016		
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,				

AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
PRIORITY APPLN. INFO.: US 2007-904032P P 20070228

AB The present invention discloses a method of screening forms of monomers for effects of their polymers on a filter. This involves providing a multiple well filter, applying a monomer solution to one or more wells of the filter, polymerizing the monomer to produce a polymer-modified filter, evaluating the polymer-modified filter's performance, and comparing the performance of the polymer-modified filter to the performance of the filter to determine the effect that the polymerizing the monomer has on the performance of the filter. The present invention also relates to a method of producing a polymer-modified, multiple well filter and to an apparatus for screening forms of monomers for effects of their polymers on a filter. Also disclosed is a product which includes various monomers polymerized to a polyethersulfone as well as a method of producing such modified polyethersulfones.

L9 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:702777 CAPLUS

DOCUMENT NUMBER: 149:38818

TITLE: Controlled release drug formulations containing crystalline side chain polymers

INVENTOR(S): Taft, David D.; Bitler, Steven P.; Zheng, Qiang; Tzannis, Stelios T.; Bell, Adam Warwick

PATENT ASSIGNEE(S): Landec Corporation, USA

SOURCE: PCT Int. Appl., 138pp., .

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2008070118	A1	20080612	WO 2007-US24909	20071204
WO 2008070118	A9	20080918		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			

US 20080269105 A1 20081030 US 2007-999415 20071204

PRIORITY APPLN. INFO.: US 2006-873234P P 20061205

AB Formulations of drugs and crystalline side chain polymers provide controlled and/or sustained release drug formulations. E.g., a octadecyl acrylate-acrylic acid polymer is prepared and a formulation containing this polymer a risperidone was prepared

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:473195 CAPLUS

DOCUMENT NUMBER: 148:456600

TITLE: Superporous hydrogels for heavy-duty applications, such as the low pH environment of the gastric fluid of the stomach

INVENTOR(S): Omidian, Hossein; Rocca, Jose G.
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 29pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080089940	A1	20080417	US 2007-774069	20070706
WO 2009029087	A2	20090305	WO 2007-US72892	20070706
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2006-818891P P 20060706

AB The present invention features modified superporous hydrogels (SPHs) and methods for their formation. The SPHs of the present invention are prepared by careful selection of the hydrophobic/hydrophilic reactive ingredients and by harmonizing the foaming and polymerization reactions, which results in the formation of SPHs having a homogeneous structure and favorable phys. and mech. properties, including swelling, strength, ruggedness, and resiliency. The SPHs of the present invention are particularly useful when employed in very harsh swelling environments, such as the low pH environment of the gastric fluid of the stomach, for extended periods of time. Thus, samples of pHEMA-AAC/Al³⁺ containing different amts. of aluminum were put into an oven at 95% humidity and 40°; after 1 h, they were removed and manually tested for hardness; they were put back into the oven and incubated overnight, then again removed and manually tested for hardness; finally, the pHEMA-AAC/Al³⁺ SPHs were left in ambient conditions for a few days and manually tested for hardness again. Samples that were put into a humid oven quickly became soft; they were softened within one hour of being put into the oven and were still soft upon later removal from the oven; the process of moisture absorption can be catalyzed by incorporating moisture absorptive materials into the SPH structure, such as silica gel, superdisintegrants, and super water absorbents; polyHEMA SPHs can be encapsulated at conditions where relative humidity and temperature of the environment are favorable for SPH plasticization to occur.

L9 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:471183 CAPLUS
 DOCUMENT NUMBER: 148:483156
 TITLE: Silver salt photothermographic dry imaging material containing amphiphilic polyacrylamides and manufacture thereof
 INVENTOR(S): Ishige, Osamu; Sakuragi, Rie; Fukusaka, Kiyoshi
 PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 45pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008090217	A	20080417	JP 2006-273774	20061005

PRIORITY APPLN. INFO.: JP 2006-273774 20061005

AB Disclosed is a silver salt photothermog. dry imaging material containing a nonphotosensitive Ag aliphatic carboxylate grain, a photosensitive Ag halide grain, a reducing agent, a binder, and an amphiphilic polymer, wherein the amphiphilic polymer contains acrylamides having a polyoxyalkylene group as a polymerizing component. The acrylamides may be represented by $\text{CH}_2=\text{CR}_1-\text{C}(\text{:O})\text{NR}_2[\text{L}-(\text{O}-\text{Alk})_n-\text{X}]$ ($\text{R}_1 = \text{H}$, alkyl; $\text{R}_2 = \text{H}$, alkyl, aryl; $\text{L} =$ divalent linking group; $\text{Alk} =$ alkylene; $\text{X} = \text{H}$, substituent; and $n = 2-1,000$).

L9 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:471175 CAPLUS

DOCUMENT NUMBER: 148:459545

TITLE: Silver salt photothermographic dry imaging material with high sensitivity and low fogging containing amphiphilic polymer and manufacture thereof

INVENTOR(S): Ishige, Osamu; Sakuragi, Rie; Fukusaka, Kiyoshi

PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 43pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008090132	A	20080417	JP 2006-272701	20061004

PRIORITY APPLN. INFO.: JP 2006-272701 20061004

AB Disclosed is a silver salt photothermog. dry imaging material containing on a support a nonphotosensitive Ag aliphatic carboxylate grain, a photosensitive Ag halide grain, a reducing agent, a binder, and an amphiphilic polymer, wherein the amphiphilic polymer is a copolymer containing a N-vinyl monomer unit. The N-vinyl monomer unit may include a heterocyclic vinyl monomer.

L9 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:374323 CAPLUS

DOCUMENT NUMBER: 148:387263

TITLE: Controlled drug delivery devices made from degradable cationic siloxanyl macromonomers

INVENTOR(S): Kunzler, Jay F.; Schorzman, Derek; Ammon, Daniel M.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 17pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080075780	A1	20080327	US 2006-527913	20060927

PRIORITY APPLN. INFO.: US 2006-527913 20060927

AB Matrix controlled diffusion drug delivery devices based on one or more silicon-containing monomers are as set forth herein.

L9 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:971015 CAPLUS
DOCUMENT NUMBER: 147:288199
TITLE: Method of preparing aqueous microparticle organic solvent dispersion
INVENTOR(S): Ito, Satoshi; Fujikura, Kazuhiko; Tsuji, Nobuaki
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 29pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007218953	A	20070830	JP 2006-36174	20060214

PRIORITY APPLN. INFO.: JP 2006-36174 20060214

AB Disclosed is a process comprising effective removal of a 1st organic solvent from a dispersion of a hydrophillic polymer protective colloid by using a gravity separation method prior to addition of a 2nd organic solvent to the dispersion.

L9 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:692233 CAPLUS
DOCUMENT NUMBER: 132:61192
TITLE: Poly(N-isopropylacrylamide)-g-poly(ethyleneoxide) for high resolution and high speed separation of DNA by capillary electrophoresis
AUTHOR(S): Liang, Dehai; Song, Liguu; Zhou, Shuiqin; Zaitsev, Vladimir S.; Chu, Benjamin
CORPORATE SOURCE: Department of Chemistry, State University of New York at Stony Brook, Stony Brook, NY, 11794-3400, USA
SOURCE: Electrophoresis (1999), 20(14), 2856-2863
CODEN: ELCTDN; ISSN: 0173-0835
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A new separation medium, poly(N-isopropylacrylamide)-g-poly(ethyleneoxide) (PNIPAM-g-PEO) solution, used for double-stranded (ds) DNA separation by capillary electrophoresis (CE) is presented. This type of grafted copolymer has a good self-coating ability for quartz capillary tubing and a slightly temperature-dependent viscosity-adjustable property, making it easier to use. One bp resolution was achieved within 12.5 min by using 8% w/v PNIPAM-g-PEO in 1 + TBE (Tris-borate-EDTA) buffer with an effective column length of 10 cm and an applied elec. field strength of 200 V/cm. The PNIPAM-g-PEO solns. had a high sieving ability for relatively small sized DNAs with the relative standard derivation for the first 10 runs being less than 0.9% by using the same polymer solution With 8% w/v PNIPAM-g-PEO solution in a 1.5 cm column and 2400 V as the running voltage, Φ +174/HaeIII digest could be clearly separated within 24 s.

REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:546686 CAPLUS
DOCUMENT NUMBER: 131:283526
TITLE: Copolymers of Poly(N-isopropylacrylamide) Densely Grafted with Poly(ethylene oxide) as High-Performance Separation Matrix of DNA
AUTHOR(S): Liang, Dehai; Zhou, Shuiqin; Song, Liguu; Zaitsev,

Vladimir S.; Chu, Benjamin
CORPORATE SOURCE: Department of Chemistry, State University of New York
at Stony Brook, Stony Brook, NY, 11794-3400, USA
SOURCE: Macromolecules (1999), 32(19), 6326-6332
CODEN: MAMOBX; ISSN: 0024-9297
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Two high mol. weight copolymers of poly(N-isopropylacrylamide) (PNIPAM) densely grafted with a short poly(ethylene oxide) (PEO) chains (PNIPAM-g-PEO) were studied by NMR and laser light scattering. The long PNIPAM chains with densely grafted PEO branches had a random coil conformation at very dilute concns. and low temps. (i.e., $T \leq 30^\circ$). When the temperature was increased above 31° , the copolymers could undergo a broad "coil-to-globule" transition. The collapsed copolymer chains had a $\langle R_g \rangle / \langle R_h \rangle$ value of about 1.0 with PNIPAM chains inside the core and the hydrophilic PEO chains on the surface. This kind of PNIPAM-g-PEO copolymers was studied as a DNA separation medium in capillary electrophoresis. Several advantages of the copolymers as a separation medium for DNA fragments were achieved, such as an automatic coating ability for the capillary inner wall, an easier injection into the capillary channel due to the slightly adjustable viscosity with temperature (up to 31°), a high resolution (i.e., one base pair resolution), and fast separation time. In contrast, the

homo-PNIPAM or PEO showed worse DNA separation efficiency under similar conditions. The high DNA separation efficiency of the PNIPAM-g-PEO copolymers is related to the polymer chain conformation. The long copolymer chains in a random coil conformation with densely grafted PEO branches could form a phys. network with a relatively stable and uniform pore size at high concns. (i.e., ≥ 10 weight %). The separation medium has a high sieving ability for DNA separation in terms of DNA migration mechanisms. The collapsed copolymer chains in the globule state could destroy the chain network and thus lose the DNA separation ability.

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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